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MILLER ENGINEERS SCIENTISTS

MILLER

ENGINEERS SCIENTISTS

An Employee-Owned Company

June 13, 2006

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Paula
Natural Resource Technology
23713 West Paul Road
Unit D
Pewaukee, WI 53072

Subject: **Lab Accreditation for Miller Engineer & Scientists
Sheboygan, Wisconsin**

Dear Paula:

J. Roger Miller & Associates, Inc., doing business as Miller Engineers & Scientists (Miller), has been recognized as recently as 2004 by the Wisconsin Department of Transportation (WDOT) as a certified laboratory for materials testing on WDOT projects. Miller no longer carries the WDOT lab certification for business reasons. Miller employs qualified technicians and engineers to work on projects that require soils, aggregate and concrete laboratory testing services.

Per Wisconsin Laboratory Qualifications requirements, we hereby state the following:

- All personnel doing acceptance testing are qualified to perform the specific test.
- All tests are performed in accordance with the applicable ASTM test procedure.
- We have completed a Laboratory Manual, which includes information about our organization, facilities, sample control, test procedures, inspections, reporting and internal quality system reviews. A copy of the Laboratory Manual is kept in our office at all times.
- Our laboratory equipment is well maintained and calibrated.
- We are capable of performing the tests you are requesting.
- Documentation of all material test results at project labs will be neat, accurate and made readily accessible to all authorized individuals.

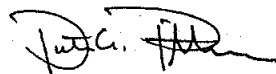
If you should have any questions, please contact the undersigned by phone at (920) 458-6164 or by fax at (920) 458-0369.

Sincerely,

MILLER ENGINEERS & SCIENTISTS



Brian J. Leibham
Laboratory Manager



Peter G. Pittner, MS
Vice President

Enclosure: Summary of Testing Capabilities
WisDot Certification of Qualification

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Summary of Testing Capabilities

Method

I. Soil/Aggregate Testing

Absorption.....	ASTM C97/C67
Atterberg Limits (LL and PL combined).....	ASTM D4318
Chert Content of Gravel Aggregate	
Consolidation Test (with time compression readings).....	ASTM D2435
Consolidation Test (without time compression readings).....	ASTM D2435
Constant Head Permeability, Granular Soil.....	ASTM D2434
Density (from Shelby Tube, including Moisture Content)	ASTM D2937
Flexible Wall Permeability, Cohesive Soil.....	ASTM D5084
Hydrometer plus Washed Sieve (Gradation Analysis)	ASTM D422
Insoluble Residue (excluding Washed Sieve)	ASTM D3042
Moisture Content.....	ASTM D2216
No. 200 Washed Sieve Analysis.....	ASTM D1140/C117
Proctor (Clays, Silts, & Coarse Gravel).....	ASTM D698/D1557
Proctor (Sands & Gravel)	ASTM D698/D1557
Sieve Analysis (dry)	ASTM D422/C136
Sieve Analysis (washed).....	ASTM D422/C117/C136
Specific Gravity.....	ASTM D854/C127
Visual Classification.....	ASTM D2487/D2488
Unconfined Compression Strength.....	ASTM D2166

II. Materials Testing

Asphalt Extraction/Aggregate Gradation	ASTM D2172/C136
Asphalt Extraction/Aggregate Gradation plus Asphalt Content Determination	ASTM D2172/C136
Compression Test of Concrete Cylinder or Cube.....	ASTM C39/C780
“Hold” Cylinder (handled and cured but not tested)	

I. Soil/Aggregate Testing

% Saturation	ASTM D2937
California Bearing Ratio Strength.....	ASTM D1883
Cation Exchange Capacity	—
Cohesive Soil Permeability (by one-dimensional consolidation)	—
Constant Head Permeability, Cohesive Soil.....	—
Direct Shear Strength.....	ASTM D3080
Falling Head Permeability	—
Field Capacity	ASTM D2937
Fractured Face Count.....	WDOT C&M-13.9
Minimum Resistivity.....	—
Moisture-Penetration Relation Strength.....	ASTM D1558
Organic Matter.....	ASTM D2974
pH	ASTM D4972
Porosity	ASTM D2937
Potential Reactivity of Aggregate	ASTM C289
Sand Equivalent (3 determinations).....	ASTM D2419
Shrinkage Factors	ASTM D4943
Sodium Adsorption Ratio	—
Specific Gravity and Unit Weight.....	ASTM C140
Swell Test	ASTM D4546
Triaxial Compression Strength (Consolidated or Unconsolidated, Undrained or Drained, with Pore Pressure Measurements)	ASTM D2850
Unit Weight and Voids in Aggregates	ASTM C29
Water Soluble Sulfate	A.S.A. Method 10-3.7

II. Materials Testing

Absorption Test of Brick or Building Block.....	ASTM C140
Bulk Density of Asphalt, Saturated Surface Dry.....	ASTM D2726
Compression Strength of Asphalt	ASTM D1074
Compression Test (Brick/Masonry Units).....	ASTM C67/C140
Marshall Mix Design	ASTM D1559
Measurement of Dimensions of Brick or Building Block.....	ASTM C140
Modulus of Rupture.....	ASTM C67
Moisture Content on Building Block	ASTM C140
Specific Gravity, Absorption and Voids in Hardened Concrete.....	ASTM C642
Splitting Tensile Strength of Concrete Cylinder	ASTM C496
Stability and Plastic Flow of Bituminous Materials (Marshall Test).....	ASTM D1559
Theoretical Maximum Specific Gravity of Bituminous Paving Mixtures	ASTM D2041
Unit Weight of Concrete Cylinders and Cores (air dry).....	—
Water Effect on Cohesion of Asphalt	ASTM D1075

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Effective Date: January 1, 2004
Expiration Date: December 31, 2004

Wisconsin Department of Transportation Certificate of Qualification

This is to signify that

MILLER ENGINEERS & SCIENTISTS - SHEBOYGAN

Laboratory and personnel have been found to be qualified to conduct acceptance sampling and testing of materials for WisDOT National Highway System projects and have met the requirements set forth by the Wisconsin Laboratory Qualification Program for the sampling and testing of:

Concrete Mix: T22, T231, T23.

General Items: T238.

John B. Cohen

Chief Quality Management Engineer

Lawrence J. Miller

Director

Bureau of Highway Construction